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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/622,274
Filing Date	July 17, 2003
First Named Inventor	Michelle Klippen
Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

**ENCLOSURES (Check all that apply)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify<br>below): |
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**Remarks**

This correspondence includes:  
Transmittal Form PTO/SB/21 (1 page); Information Disclosure Statement (3 pages);  
Information Disclosure Statement Form PTO/SB/08A (8 pages) and PTO/SB/08B (1 page);  
Copies of Forty-three (43) References; and Itemized Postcard.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	TILLMAN IVSAN, PLLC, P.O. Box 471581, Charlotte, NC 28247		
Signature			
Printed name	Chad D. Tillman		
Date	March 30, 2005	Reg. No.	38,634

**CERTIFICATE OF TRANSMISSION/MAILING**

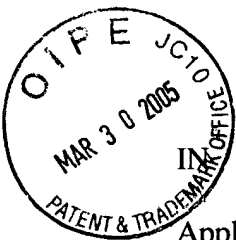
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ER307753462US



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/622,274 Confirmation No. 4206  
Inventor : July 17, 2003  
Filed : KLIPPEN et al.  
TC/AU : 3761  
Examiner : REICHLE, Karin M.  
  
Docket No. : 1032.004  
Customer No. : 36790

March 30, 2005

Via U.S. Express Mail  
ER 307753462 US

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

In compliance with the Applicant's duty of disclosure under 37 CFR §1.56, Applicant brings the attached documents cited on the attached forms PTO/SB/08A and PTO/SB/08B to the attention of the U.S. Patent and Trademark Office in accordance with the provisions of 37 CFR §1.97-98. This submission complements Applicant's earlier IDS submission dated January 18, 2005.

Additionally, Applicant notes that several international and foreign references are listed that are not in English. Applicant lists in conjunction with each such reference a full translation into English of the reference where Applicant has such translation, and Applicant accordingly checks the appropriate box on Form PTO/SB/08A. Applicant further lists in conjunction with each such reference a translation of only the abstract of the reference into English where Applicant only has such translation, and Applicant also checks the appropriate box on Form PTO/SB/08A. In this scenario, the word "Abstract" is parenthetically found after the reference number to indicate that only the translation of the abstract into English is listed and not a full translation.

Applicant submits that each international and foreign reference that is not translated is listed for what is disclosed in the drawings and figures thereof.

Applicant submits that each international and foreign reference for which a translation is provided is listed for what is disclosed not only in the drawings and figures thereof, but also for what is disclosed in such translation.

Applicant draws particular attention to the following references as being of particular interest to Applicant:

<u>Reference No.</u>	<u>Inventor</u>	<u>Date</u>	<u>Translation Provided</u>
60/451,433	Snell	03/04/2003	N/A
US 2004/0176735 A1	Snell	09/18/2003	N/A
US 2004/0167489A1	Kellenberger et al.	02/14/2003	N/A
JP 2002337814A	Kurimoto Hiroshi	11/27/2002	Abstract
JP 2001114214A	Nakanishi Akira	04/24/2001	Full Translation
JP 10-095481A	Narawa Mika et al.	04/14/1998	Full Translation
JP 05-139473A	Masaki Jo et al.	06/08/1993	Abstract
JP 04-339724A	Kaneda Takashi	11/26/1992	Full Translation

A copy of Snell provisional application 60/451,433 as filed is included with this submission.

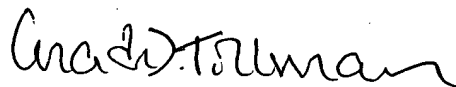
**Additionally, Applicant draws particular attention to the following reference, from which the claims in the current application have been copied:**

<u>Reference No.</u>	<u>Inventor</u>	<u>Date</u>	<u>Translation Provided</u>
US 2004/0167490A1	Nelson et al.	12/31/2003	N/A

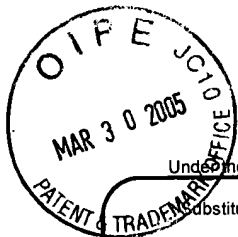
Nothing herein—including the submission of the documents themselves, whether in this or any other filing—constitutes an admission by Applicant that any of the documents is prior art with respect to the present invention, or a waiver of any rights of Applicant. Indeed, while each citation includes a date, it should be understood that, whether expressly stated or not, the date specified in the citation is a date as alleged by the document or otherwise, and Applicant neither admits nor denies the correctness of the specified date at this time. Moreover, with regard to non-patent documents, Applicant neither admits nor denies that each document submitted is, in fact, a “publication” within the meaning of 35 U.S.C. § 102.

Notwithstanding the foregoing paragraph, Applicant does stipulate that the disclosure of Snell provisional application 60/451,433 and the disclosure of Snell US 2004/0176735 A1 both constitute prior art with respect to the present application. Furthermore, Applicant represents that ownership of these two patent applications and the present application was transferred to Applicant on January 7, 2005.

Respectfully submitted,  
TILLMAN IVSAN, PLLC



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U.S. Reg. No. 38,634  
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PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **1** of **8****Complete if Known**

Application Number	<b>10/622,274</b>
Filing Date	<b>July 17, 2003</b>
First Named Inventor	<b>Michelle Klippen</b>
Art Unit	<b>3761</b>
Examiner Name	<b>Karin M. Reichle</b>
Attorney Docket Number	<b>1032.004</b>

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 2003-0073970 A1	04-17-2003	Suga	
		US- 2002-0078665 A1	06-27-2002	Salman	
		US- 2002-0079246 A1	06-27-2002	Ling	
		US-			
		US- 2002-0125171 A1	09-12-2002	Kuske	
		US- 2002-0170275 A1	11-21-2002	Salman	
		US- 2003-0065302 A1	04-03-2003	Kuroda	
		US- 2004-0065300 A1	04-03-2003	Suga	
		US- 2004-0092901 A1	05-13-2004	Reece	
		US- 2004-0159658 A1	08-19-2004	McLaughlin	
		US- 2004-0167489 A1	08-26-2004	Kellenberger	
		US- 2004-0167490 A1	08-26-2004	Nelson	
		US- 2004-0167493 A1	08-26-2004	Jarpenberg	
		US- 2004-0168947 A1	09-02-2004	McDonald	
		US- 2004-0172002 A1	09-02-2004	Nelson	
		US- 2004-0173490 A1	09-09-2004	Otsubo	
		US- 2004-0176735 A1	09-09-2004	Snell	
		US- 2005-0015052 A1	01-20-2005	Klippen	
		US- 1,994,135	03-12-1935	Horowitz	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 89/00037	01-12-1989	Froidh		
		WO 90/01311	02-22-1990	Rawlings		
		WO 95/32698	12-07-1995	LaVon		
		WO 96/41753	12-27-1996	Bauer		
		WO 97/33815	09-18-1997	Mattiasson		
		WO 98/57675	12-23-1998	Kalentun		

Examiner  
SignatureDate  
Considered

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/622,274
Filing Date	July 17, 2003
First Named Inventor	Michelle Klippen
Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

Sheet 2

of 8

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 2,145,137	01-24-1939	Sayers	
		US- 2,935,828	05-10-1060	Mahaffy	
		US- 3,343,663	09-26-1967	Bradford	
		US- 3,442,686	05-06-1969	Jones	
		US- 3,605,746	09-20-1971	Schaar	
		US- 3,710,797	01-16-1973	Marsan	
		US- 3,794,033	02-26-1974	Ryan	
		US- 3,824,759	07-23-1974	Finn	
		US- 3,938,523	02-17-1976	Gilliland	
		US- 3,970,217	07-20-1976	Culbertson	
		US- 4,034,760	07-12-1977	Amirsakis	
		US- 4,050,462	09-27-1977	Woon	
		US- 4,056,919	11-08-1977	Hirsch	
		US- 4,076,663	02-28-1978	Masuda	
		US- 4,242,854	01-06-1981	Nissen	
		US- 4,265,070	05-05-1981	Mainberger	
		US- 4,286,082	08-25-1981	Tsubakimoto	
		US- 4,573,608	03-04-1986	Hansen	
		US- 4,577,453	03-25-1986	Hofeler	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 99/03436	01-28-1999	Hammons		
		WO 00/19953	04-13-2000	Tameishi		
		WO 00/19954	04-13-2000	Tameishi		
		WO 01/64156 A1	09-07-2001	Clark		
		WO 02/085271 A1	10-31-2002	McManus		
		WO 02/094678 A1	12-28-2002	Kondo		

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Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

Sheet **3** of **8****U. S. PATENT DOCUMENTS**

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,585,448	04-29-1986	Enloe	
		US-			
		US- 4,598,528	07-08-1986	McFarland	
		US- 4,630,320	12-23-1986	Van Gompel	
		US- 4,641,381	02-10-1987	Heran	
		US- 4,646,362	03-03-1987	Heran	
		US- 4,765,477	08-23-1988	Froidh	
		US- 4,798,603	01-17-1989	Meyer	
		US- 4,802,884	02-07-1989	Froidh	
		US- 4,833,862	05-30-1989	Bortolani	
		US- 4,886,512	12-12-1989	Damico	
		US- 3,645,060	02-29-1972	Hammond	
		US- 4,964,859	10-23-1990	Feldman	
		US- 5,016,778	05-21-1991	Reiland	
		US- 5,054,619	10-08-1991	Muckenfuhs	
		US- 5,065,868	11-19-1991	Cornelissen	
		US- 5,141,505	08-25-1992	Barrett	
		US- 5,176,668	01-05-1993	Bernadin	
		US- 5,192,606	03-09-1993	Proxmire	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 02/096331 A2	12-05-2002	Hirotsu		
		WO 2005/005276 A1	01-20-2005	Hermansson		
		EP 1413272 A1	04-28-2004	Mizutani		
		EP 1205171 A2	05-15-2002	Otsubo		
		EP 1205171 A3	05-15-2002	Otsubo		
		EP 0747295 A1	12-11-1996	Bauer		

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		US- 5,255,817	10-26-1993	Reiland	
		US- 5,295,988	03-22-1994	Muckenfuhs	
		US- 5,304,158	04-19-1994	Webb	
		US- 5,383,872	01-24-1995	Roessler	
		US- 5,413,568	05-19-1995	Roach	
		US- 5,462,166	10-31-1995	Minton	
		US- 5,509,915	04-23-1996	Hanson	
		US- 5,520,674	05-28-1996	Lavon	
		US- 5,564,261	10-15-1996	Kiner	
		US- 5,651,778	07-29-1997	Melius	
		US- 5,666,787	09-16-1997	Young	
		US- 5,678,727	10-21-1997	Rice	
		US- 5,897,542	04-27-1999	Lash	
		US- 5,971,153	10-26-1999	Bauer	
		US-			
		US- 5,016,778	05-21-1991	Reiland	
		US- 6,028,240	02-22-2000	Wessel	
		US- 6,040,494	03-21-2000	Kalentun	
		US- 6,050,984	04-18-2000	Fujioka	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0539703 B1	03-05-1997	Hanson		<input checked="" type="checkbox"/>
		GB 2,277,914 A	11-16-1994	Nakanishi		<input type="checkbox"/>
						<input type="checkbox"/>
		JP 11-113956 A (Abstract)	04-27-1999	Moriura		<input checked="" type="checkbox"/>
		JP 10-305059 A (Abstract)	11-17-1998	Shiseido Co Ltd		<input checked="" type="checkbox"/>
		JP 10-095481 A	04-14-1998	Narawa		<input checked="" type="checkbox"/>

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/622,274
Filing Date	July 17, 2003
First Named Inventor	Michelle Klippen
Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

Sheet **5** of **8****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,079,562	06-27-2000	Bauer	
		US- 6,116,781	09-12-2000	Skeens	
		US- 6,260,211 B1	07-17-2001	Rajala	
		US- 6,264,972 B1	07-24-2001	Drury	
		US- 6,297,424 B1	10-02-2001	Olson	
		US- 6,316,687 B1	11-13-2001	Davis	
		US- 6,387,085 B1	05-14-2002	Van Gompel	
		US- 6,408,872 B1	06-25-2002	Skeens	
		US- 6,423,045 B1	07-23-2002	Wise	
		US- 6,443,938 B1	09-03-2002	Vogt	
		US- 6,458,110 B1	10-01-2002	Lavon	
		US-			
		US- 6,497,692 B1	12-24-2002	Tameishi	
		US- 6,575,191 B2	06-10-2003	Skeens	
		US- 6,575,947 B1	06-10-2003	Tameishi	
		US- 6,581,641 B2	06-24-2003	Skeens	
		US- 6,630,237 B2	10-07-2003	Rivett	
		US- 6,634,384 B2	10-21-2003	Skeens	
		US- 6,723,080 B2	04-20-2004	Habib	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		DE 29620118 U1 (Abstract)	04-30-1998	Serra-Roll		✓
		WO 2005/009311 A1	03-02-2005	Klippen		
		JP 03256848 A (Abstract)	11-15-1991	Suematsu		✓

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Sheet **6**of **8****Complete if Known**

Application Number	10/622,274
Filing Date	July 17, 2003
First Named Inventor	Michelle Klippen
Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,321,513	11-27-2001	Meixner	
		US- 6,502,695	01-07-2003	Kim	
		US- 4,704,116	11-03-1987	Enloe	
		US- 4,706,845	11-17-1987	Schnurer	
		US- 5,766,389	06-16-1998	Brandon	
		US- 5,071,414	12-10-1997	Elliott	
		US- 4,556,146	12-03-1985	Swanson	
		US- 3,963,029	06-15-1976	Brooks	
		US- 4,934,535	06-19-1990	Muckenfuhs	
		US- 6,004,307	12-21-1999	Colon	
		US- 6,500,160	12-31-2002	Mizutani	
		US- 2002-0056655	05-16-2002	Cottingham	
		US- 2,764,859	10-02-1956	Hanselmann	
		US- 2,834,459	05-13-1958	Rickard	
		US- 3,537,226	11-03-1970	LeVan	
		US- 3,716,961	02-20-1973	Cope	
		US- 4,221,221	09-09-1980	Ehrlich	
		US- 4,566,130	01-21-1986	Coates	
		US- 4,702,378	10-27-1987	Finkel	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP 05139473 A (Abstract)	06-08-1993	Masaki		✓
		JP 06007213 A (Abstract)	01-18-1994	Tachikawa		✓
		JP 2000043818 A (Abstract)	02-15-2000	Nakanishi		✓
		JP 2000333988 A (Abstract)	12-05-2000	Suzuki		✓

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Filing Date	July 17, 2003
First Named Inventor	Michelle Klippen
Art Unit	3761
Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

Sheet 7 of 8

**U. S. PATENT DOCUMENTS**

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,735,316	04-05-1988	Froidh	
		US- 4,790,840	12-14-1988	Cortina	
		US- 4,808,175	02-28-1989	Hansen	
		US- 4,923,455	05-08-1990	Dean	
		US- 5,042,227	08-27-1991	Merry	
		US- 5,261,531	11-16-1993	Neives	
		US- 5,377,837	01-03-1995	Roussel	
		US- 5,439,154	08-08-1995	Delligatti	
		US- 5,443,161	08-22-1995	Jonese	
		US- 5,638,661	06-17-1997	Banks	
		US- 5,702,379	12-30-1997	Preiss	
		US- 5,706,950	01-13-1998	Houghton	
		US- 5,722,774	03-03-1998	Hartz	
		US- 5,826,714	10-27-1998	Martin	
		US- 6,092,658	07-25-2000	Pietrafesa	
		US- 6,168,022	01-02-2001	Ward	
		US- 6,213,304	04-10-2001	Juliussen	
		US- 6,298,993	10-09-2001	Kalozdi	
		US- 6,528,766	03-04-2003	Parks	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP 2002337814 A (Abstract)	11-27-2002	Kurimoto		<input checked="" type="checkbox"/>
		JP 2001131003 A (Abstract)	05-15-2001	Abe		<input checked="" type="checkbox"/>
		EP 1174104 A1	01-23-2002	Costea		<input type="checkbox"/>
		FR 2,583,388	12-19-1986	Fauville		<input type="checkbox"/>
		EP 0721886 A1	07-17-1996	Simmons		<input type="checkbox"/>
		GB 2,258,206 A	02-03-1993	Heidl		<input type="checkbox"/>

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Examiner Name	Karin M. Reichle
Attorney Docket Number	1032.004

Sheet 1

of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SNELL, U.S. Provisional Patent Application No. 60/451,433, filed March 4, 2003	

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